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21 [Text Retrieval Systems for the Web](#)

[I. S. Nekrestyanov, N. V. Panteleeva](#)

 July **Programming and Computing Software**, Volume 28 Issue 4
2002

Publisher: Plenum Press

 Full text available: [Publisher](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)
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Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 2

The Web information retrieval is a highly popular, but also a challenging research area, which considerably differs from the classical information retrieval theory. The focus of this paper is to survey the modern approaches to the accomplishment of different ...

22 [Ncore: architecture and implementation of a flexible, collaborative digital](#)

[library](#)
[Dean B. Krafft, Aaron Birkland, Ellen J. Cramer](#)

 June **JCDL '08: Proceedings of the 8th ACM/IEEE-CS joint conference on Digital 2008 libraries**

 Publisher: ACM [Request Permissions](#)

 Full text available: [PDF](#) (477.27 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 246, Citation Count: 0

NCore is an open source architecture and software platform for creating flexible, collaborative digital libraries. NCore was developed by the National Science Digital Library (NSDL) project, and it serves as the central technical infrastructure for NSDL. ...

Keywords: NSDL, aggregations, architecture, digital library, education, fedora, interoperability

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23 [Design and evaluation of awareness mechanisms in CiteSeer](#)

[Umer Farooq](#), [Craig H. Ganoe](#), [John M. Carroll](#), [Isaac G. Council](#), [C. Lee Giles](#)

March **Information Processing and Management: an International Journal** , Volume 44 Issue 2

Publisher: Pergamon Press, Inc.

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 1

Awareness has been extensively studied in human computer interaction (HCI) and computer supported cooperative work (CSCW). The success of many collaborative systems hinges on effectively supporting awareness of different collaborators, their actions, ...

Keywords: Communities of practice, Computer-supported awareness, Notification systems, Scholarly digital libraries

24 [Core algorithms in the CLEVER system](#)



[Ravi Kumar](#), [Prabhakar Raghavan](#), [Sridhar Rajagopalan](#), [Andrew Tomkins](#)

May **Transactions on Internet Technology (TOIT)** , Volume 6 Issue 2
2006

Publisher: ACM [Request Permissions](#)

Full text available: [PDF](#) (224.95 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 78, Citation Count: 2

This article describes the CLEVER search system developed at the IBM Almaden Research Center. We present a detailed and unified exposition of the various algorithmic components that make up the system, and then present results from two user studies.

Keywords: Anchortext, Web search, hyperlinks, linear algebra, link analysis

25 [Peer-to-Peer resource discovery in Grids: Models and systems](#)

[P. Trunfio](#), [D. Talia](#), [H. Papadakis](#), [P. Fragopoulou](#), [M. Mordacchini](#), [M. Pennanen](#), [K. Popov](#), [V. Vlassov](#), [S. Haridi](#)

August **Future Generation Computer Systems** , Volume 23 Issue 7
2007

Publisher: Elsevier Science Publishers B. V.

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 8

Resource location or discovery is a key issue for Grid systems in which applications are composed of hardware and software resources that need to be located. Classical approaches to Grid resource location are either centralized or hierarchical and will ...

Keywords: Grid, Peer-to-Peer system, Resource discovery, Structured, Unstructured

26 [A multilevel approach to intelligent information filtering: model, system, and evaluation](#)



J. Mostafa, S. Mukhopadhyay, M. Palakal, W. Lam

October **Transactions on Information Systems (TOIS)** , Volume 15 Issue 4 1997

Publisher: ACM [Request Permissions](#)

Full text available: [PDF](#) (610.01 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 113, Citation Count: 28

In information-filtering environments, uncertainties associated with changing interests of the user and the dynamic document stream must be handled efficiently. In this article, a filtering model is proposed that decomposes the overall task into subsystem ...

Keywords: automated document representation, information filtering, user modeling

27 [Universal access architecture for digital libraries](#)

Francisco Alvarez-Cavazos, Roberto Garcia-Sanchez, David Geiza-Salazar, Juan C. Lavariega, Lorena G. Gomez, Martha Sordia

October **CASCON '05: Proceedings of the 2005 conference of the Centre for 2005** Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available: [PDF](#) (399.35 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 103, Citation Count: 0

In this paper we present a universal access architecture for digital libraries. Our architecture supports traditional fixed clients and mobile clients addressing the connection adaptation and limited resources challenges presented by mobile devices. ...

28 [ELA—A new Approach for Learning Agents](#)

Fabrizio Enembrek, Jean-Paul Prather

May **Autonomous Agents and Multi-Agent Systems** , Volume 10 Issue 3 2005

Publisher: Kluwer Academic Publishers

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 2

In this paper we discuss a new incremental learning approach used to implement adaptive behavior in autonomous agents. Adaptive agents must increase their performance based on experience using some learning approach. Often, incremental learning techniques ...

Keywords: adaptive agents, incremental learning, memory-based reasoning

29 [Efficient and decentralized PageRank approximation in a peer-to-peer web search network](#)

[Josiane Xavier Parreira](#), [Debora Donato](#), [Sebastian Michel](#), [Gerhard Weikum](#)

September 2006 **VLDB '06**: Proceedings of the 32nd international conference on Very large data bases

Publisher: VLDB Endowment

Full text available:  Pdf (945.45 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 71, Citation Count: 7

PageRank-style (PR) link analyses are a cornerstone of Web search engines and Web mining, but they are computationally expensive. Recently, various techniques have been proposed for speeding up these analyses by distributing the link graph among multiple ...


30 [A statechart-based model for hypermedia applications](#)



[Maria Cristina Ferreira de Oliveira](#), [Marcelo Augusto Santos Turine](#), [Paulo Cesar Masiero](#)

January 2001 **Transactions on Information Systems (TOIS)**, Volume 19 Issue 1

Publisher: ACM 

Full text available:  Pdf (215.08 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 75, Citation Count: 14

This paper presents a formal definition for HMBS (Hypermedia Model Based on Statecharts). HMBS uses the structure and execution semantics of statecharts to specify both the structural organization and the browsing semantics of hypermedia applications. ...

Keywords: HMBS, browsing semantics, hypermedia specification, navigational model, statecharts

31 [Feature location via information retrieval based filtering of a single scenario execution trace](#)



[Dapeng Liu](#), [Andrian Marcus](#), [Denys Poshyvanyk](#), [Vaclav Rajlich](#)

November 2007 **ASE '07**: Proceedings of the twenty-second IEEE/ACM international conference on Automated software engineering

Publisher: ACM 

Full text available:  Pdf (283.27 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 150, Citation Count: 1

The paper presents a semi-automated technique for feature location in source code. The technique is based on combining information from two different sources: an execution trace, on one hand and the comments and identifiers from the source code, on the ...

Keywords: concept location, dynamic and static analyses, feature identification, information retrieval, program understanding

32 [Specialisation dynamics in federated web search](#)



[Rinat Khoussainov](#), [Nicholas Kushmerick](#)

November 2004 **WIDM '04: Proceedings of the 6th annual ACM international workshop on Web information and data management**

Publisher: ACM [Request Permissions](#)

Full text available: [PDF](#) (138.32 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 34, Citation Count: 0

Organising large-scale Web information retrieval systems into hierarchies of topic-specific search resources can improve both the quality of results and the efficient use of computing resources. A promising way to build such systems involves federations ...

Keywords: competition, federated web search, topic specialisation

33 [Content personalization and adaptation for three-screen services](#)



[Zhu Liu](#), [David C. Gibbon](#), [Harris Drucker](#), [Andrea Basso](#)

July 2008 **CIVR '08: Proceedings of the 2008 international conference on Content-based image and video retrieval**

Publisher: ACM [Request Permissions](#)

Full text available: [PDF](#) (1.92 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 170, Citation Count: 0

Three-screen services provide the right solution for consumers to access rich multimedia resources by any device, anytime and anywhere. In this paper, we describe a prototype system of content personalization and adaptation for three-screen services. ...

Keywords: content adaptation, content ingestion, content personalization, content processing, three-screen services

34 [Personalized spiders for web search and analysis](#)



[Michael Chau](#), [Daniel Zeng](#), [Hinchun Chen](#)

January **JCDL '01**: Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries

Publisher: ACM [Request Permissions](#)

Full text available: [PDF](#) (672.04 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 110, Citation Count: 12

Searching for useful information on the World Wide Web has become increasingly difficult. While Internet search engines have been helping people to search on the web, low recall rate and outdated indexes have become more and more problematic as the ...

Keywords: information retrieval, internet searching and browsing, internet spider, noun-phrasing, personalization, self-organizing map

35 [MediaAlert - a broadcast video monitoring and alerting system for mobile users](#)



[Bin Wei](#), [Bernard Renger](#), [Yih-Farn Chen](#), [Ritwik Jana](#), [Huale Huang](#), [Lee Begoria](#), [David Gibbon](#), [Zhu Liu](#), [Behzad Shahraray](#)

June **MobiSys '05**: Proceedings of the 3rd international conference on Mobile systems, applications, and services

Publisher: ACM [Request Permissions](#)

Full text available: [PDF](#) (593.10 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 95, Citation Count: 2

We present a system for automatic monitoring and timely dissemination of multimedia information to a range of mobile information appliances based on each user's interest profile. Multimedia processing algorithms detect and isolate relevant video segments ...

Keywords: alerting, automatic speech recognition (ASR), content adaptation, content repurposing, mobile devices, multimedia messaging, multimedia processing, news monitoring, notification, service platform

36 [Sitemaps: above and beyond the crawl of duty](#)



[Uri Schonfeld](#), [Narayanan Shivakumar](#)

April **WWW '09**: Proceedings of the 18th international conference on World wide web

Publisher: ACM [Request Permissions](#)

Full text available: [PDF](#) (1.10 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 45, Citation Count: 1

Comprehensive coverage of the public web is crucial to web search engines. Search engines use crawlers to retrieve pages and then discover new ones by extracting the pages' outgoing links. However, the set of pages reachable from the publicly linked ...

Keywords: crawling, metrics, quality, search engines, sitemaps

37 [The database research group at the Max-Planck Institute for Informatics](#)



[Gerhard Weikum](#)

September 2006 **SIGMOD Record**, Volume 35 Issue 3

Publisher: ACM

Full text available: Pdf (169.54 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 44, Citation Count: 0

The Max-Planck Institute for Informatics (MPI-INF) is one of 80 institutes of the Max-Planck Society, Germany's premier scientific organization for foundational research with numerous Nobel prizes in natural sciences and medicine. MPI-INF hosts about ...

38 [A generic alerting service for digital libraries](#)



[George Buchanan, Annika Hinze](#)

June **JCDL '05: Proceedings of the 5th ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM Request Permissions

Full text available: Pdf (195.49 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 77, Citation Count: 6

Users of modern digital libraries (DLs) can keep themselves up-to-date by searching and browsing their favorite collections, or more conveniently by resorting to an alerting service. The alerting service notifies its clients about new or changed documents. ...

Keywords: alerting, digital libraries, publish/subscribe

39 [Google news personalization: scalable online collaborative filtering](#)



[Abhinandan S. Das, Mayur Datar, Ashutosh Garg, Shyam Rajaram](#)

May **WWW '07: Proceedings of the 16th international conference on World Wide Web**

Publisher: ACM

Full text available: Pdf (260.38 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 75, Downloads (12 Months): 653, Citation Count: 16

Several approaches to collaborative filtering have been studied but seldom have studies been reported for large (several million users and items) and dynamic (the underlying item set is continually changing) settings. In this paper we describe our approach ...

Keywords: Google news, PLSI, mapreduce, minhash, online recommendation system, personalization, scalable collaborative filtering

40 How do you feel about "dancing queen"?: deriving mood & theme annotations from user tags



Kerstin Bischoff, Claudiu S. Firan, Wolfgang Nejdl, Raluca Paiu

June **JCDL '09**: Proceedings of the 2009 joint international conference on Digital 2009 libraries

Publisher: ACM [Request Permissions](#)

Full text available: [PDF](#) (606.16 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 8, Citation Count: 0

Web 2.0 enables information sharing, collaboration among users and most notably supports active participation and creativity of the users. As a result, a huge amount of manually created metadata describing all kinds of resources is now available. Such ...

Keywords: collaborative tagging, high-level music descriptors, metadata enrichment, mood and theme tag recommendation

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